



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

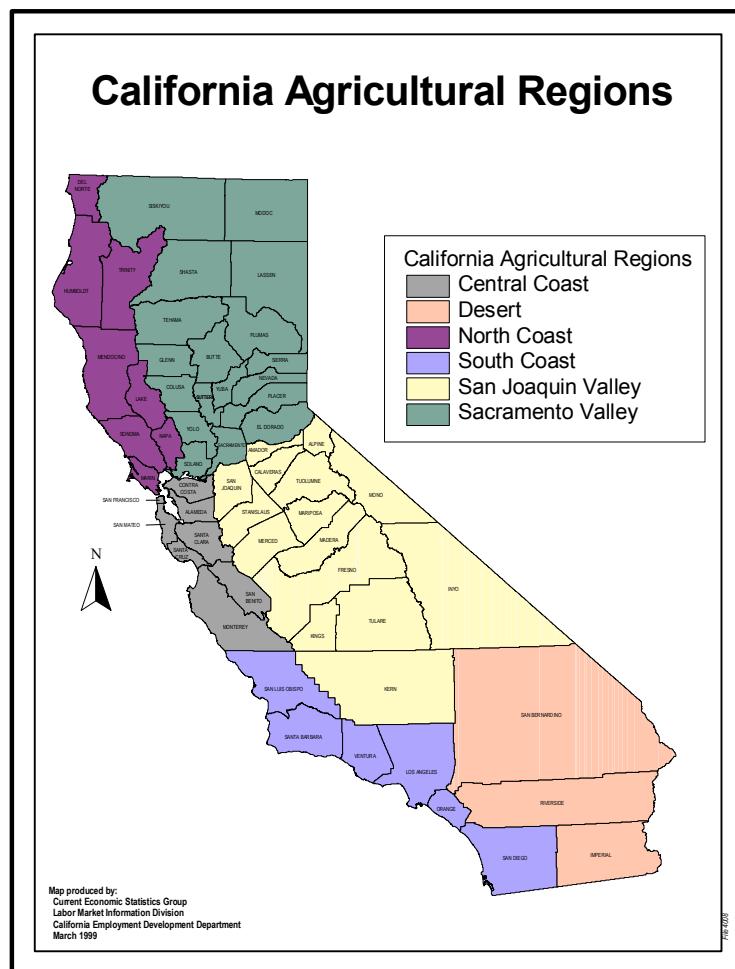
February 2002
(Internet Version)

In This Issue

Agricultural Overview	1
Summary	2
Agricultural Summary Charts	3
California Employment	4
Central Coast Employment	5
Desert Employment	6
North Coast Employment	7
South Coast Employment	8
San Joaquin Valley Employment	9
Sacramento Valley Employment	10
Data Notes	11

Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Summary

Employment

California agricultural employment for February 2002 decreased 2,100 jobs from the previous month, a loss of one percent. Total Agricultural Production decreased 5,200 jobs from January 2002 to February 2002, a loss of three percent. Agricultural Services increased by 2,900 jobs, a gain of two percent. An increase in Agricultural Services from January to February is normal while employment in Agricultural Production varies from year to year. The change in California agricultural employment from January 2001 to February 2001 was a decrease of 3,100 jobs.

Small declines were registered in most Agricultural Production categories. The most significant declines were in Grape crops with a loss of 3,100 jobs and Other Livestock, which posted a loss of 2,900. The largest gains for the month were in Other Fruit and Nut crops with an increase of 5,100 and Market Preparation Services, which added 4,200 jobs. Total agricultural employment decreased five percent in the Desert Region and two percent in the Sacramento Valley Region. Agricultural employment increased two percent in the Central Coast Region and two percent in the South Coast Region. The North Coast Region and the San Joaquin Valley Region were unchanged.

Production and Crop Activity

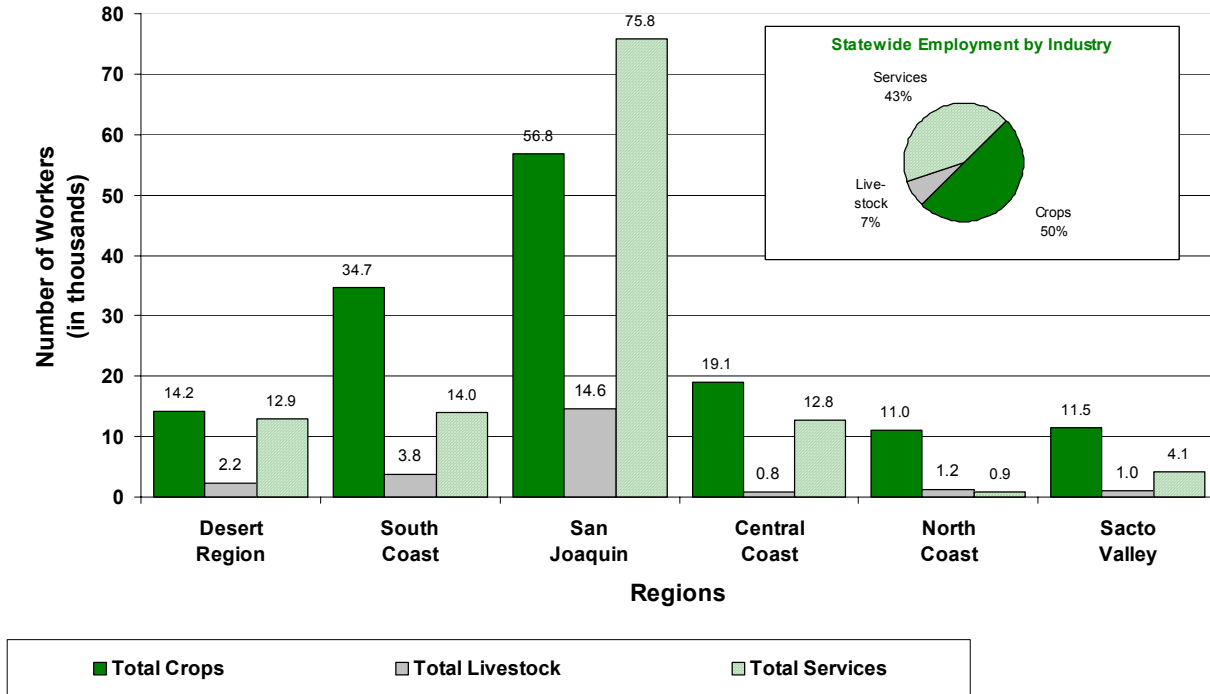
Fields being prepared for cotton planting were irrigated and treated with herbicides. A few small grain fields were still being planted. Fertilizer and herbicide applications were made to wheat, oats, and other small grains. Herbicide spraying continued in oat hay and alfalfa fields. Corn growers were preparing for planting by forming beds and pre-irrigating. Some early corn was planted. Planting of new sugar beet fields continued. Mylar was used to protect young sugar beet plants from being damaged by flocks of birds. Fields that were to be planted to dry beans were treated for weeds in some areas. Planting beds were being prepared for peppers, melons and other spring vegetables; fumigation was in progress in some fields. Tomato planting continued; new fields were prepared and pre-plant herbicides were applied. Asparagus beds were being prepared for the upcoming harvest in the Stockton-Delta area. Planting of squash, carrots, green beans, spinach, parsley, radicchio, and cauliflower continued as field conditions permitted. Harvesting of broccoli, cauliflower, head lettuce, romaine lettuce and celery was ongoing. The asparagus harvest was underway. Other vegetables harvested during the month were: basil, cabbage, carrots, cilantro, collard greens, daikon, green onions, mustard greens, parsley, peppers, radishes, radicchio, squash, and spinach.

Seasonal cultural activities such as pruning, grafting, cultivating and dormant spraying continued in orchards and vineyards. Crews were pruning and tying vines in grape vineyards. Brush shredding continued as weather and ground conditions permitted. New orchards and vineyards were planted where older plantings had been removed. Grape growers cultivated, applied herbicides, added soil amendments, and treated vineyards for insect pests. Ground preparation for new plantings was in progress. Navel orange harvesting continued, but was winding down in some areas. Grapefruit picking continued in the desert and San Joaquin Valley. Lemons and tangelos were also picked. Irrigation and weeding of strawberry plants continued. Nut growers also performed seasonal cultural activities such as pruning and spraying trees. Some older almond trees were pulled. Orchard brush was removed or shredded.

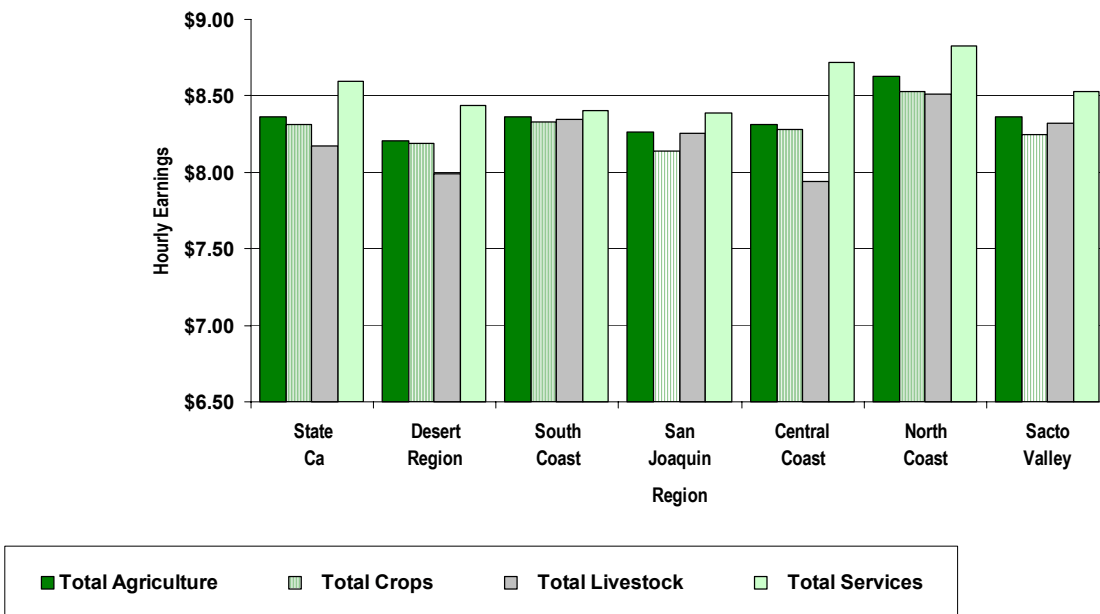
Ranchers shipped older lambs to market from alfalfa pastures in the southern desert area. Beehives were positioned for almond and stone fruit pollination.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	289.1	291.4	295.1
Total Agricultural Production/Crops	144.8	147.3	151.3
Cash Grains	1.1	0.6	1.5
Rice	0.6	0.2	1.0
Other Cash Grains	0.5	0.4	0.5
Field Crops Except Grains	7.9	8.6	7.5
Cotton	3.0	3.5	3.9
Other Field Crops	4.9	5.1	3.6
Vegetables and Melons	28.5	29.3	21.9
Total Fruits and Tree Nuts	60.7	60.3	66.1
Berries	7.6	9.0	12.4
Grapes	28.8	31.9	30.9
Tree Nuts	7.1	6.0	7.3
Citrus Fruits	2.1	2.2	3.6
Deciduous Tree Fruit	2.4	3.6	5.8
Other Fruits & Nuts	12.7	7.6	6.1
Total Horticultural Specialties	31.0	32.3	35.3
Ornamental Floral & Nursery	28.5	29.7	31.9
Food Crops Grown Under Cover	2.5	2.6	3.4
General Farm Primarily Crop	15.6	16.2	19.0
Agricultural Production/Livestock	20.9	23.6	27.9
Beef Cattle Feed Lots	1.1	0.3	0.8
Beef Cattle Except Feed Lots	2.1	2.1	3.4
Dairy Farms	12.0	12.2	15.8
Chicken Eggs	3.0	3.2	2.3
Turkey & Turkey Eggs	0.1	0.3	0.9
Other Livestock	2.6	5.5	4.7
Total Agricultural Services	123.4	120.5	115.9
Soil Preparation Services	0.8	1.5	1.2
Crop Services	34.4	31.2	31.5
Plant Cultivate & Protection	4.1	4.6	4.7
Harvest Primarily by Machine	1.6	1.6	3.2
Preparation Services for Market	27.8	23.6	22.8
Cotton Ginning	0.9	1.4	0.8
Total Farm Labor & Management	88.2	87.8	83.2
Farm Labor Contractors	77.7	77.4	74.0
Farm Management Services	10.5	10.4	9.2

Average Hourly Earnings (In dollars per hour)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	8.36	8.33	8.16
Total Agricultural Production/Crops	8.32	8.28	8.08
Cash Grains	8.52	8.45	8.23
Rice	8.62	8.63	8.45
Other Cash Grains	8.42	8.26	8.02
Field Crops Except Grains	8.34	8.38	8.11
Cotton	8.21	8.36	8.06
Other Field Crops	8.47	8.40	8.16
Vegetables and Melons	8.38	8.31	7.97
Total Fruits and Tree Nuts	8.18	8.15	7.82
Berries	8.15	8.10	7.46
Grapes	8.35	7.99	7.79
Tree Nuts	8.08	8.04	7.78
Citrus Fruits	8.16	8.37	8.01
Deciduous Tree Fruit	7.95	7.95	7.67
Other Fruits & Nuts	8.42	8.46	8.18
Total Horticultural Specialties	8.31	8.27	8.21
Ornamental Floral & Nursery	8.37	8.41	8.30
Food Crops Grown Under Cover	8.25	8.14	8.13
General Farm Primarily Crop	8.17	8.14	8.16
Agricultural Production/Livestock	8.17	8.16	7.99
Beef Cattle Feed Lots	8.17	8.34	7.97
Beef Cattle Except Feed Lots	8.37	8.33	8.27
Dairy Farms	8.52	8.53	8.51
Chicken Eggs	7.82	7.67	7.44
Turkey & Turkey Eggs	7.84	7.86	7.52
Other Livestock	8.32	8.23	8.23
Total Agricultural Services	8.59	8.56	8.42
Soil Preparation Services	8.76	8.66	8.33
Crop Services	8.71	8.67	8.68
Plant Cultivate & Protection	8.60	8.55	8.63
Harvest Primarily by Machine	8.65	8.78	8.94
Preparation Services for Market	8.25	8.19	8.08
Cotton Ginning	9.32	9.16	9.06
Total Farm Labor & Management	8.32	8.35	8.25
Farm Labor Contractors	8.08	8.15	8.08
Farm Management Services	8.56	8.55	8.43

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	33.4	32.7	35.7
Total Agricultural Production/Crops	19.3	19.1	22.2
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.9	0.0	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.9	0.0	0.2
Vegetables and Melons	6.7	6.4	7.5
Total Fruits and Tree Nuts	4.4	3.7	4.0
Berries	1.3	1.7	2.1
Grapes	0.3	0.3	1.1
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.1	0.3	0.3
Other Fruits & Nuts	2.7	1.4	0.3
Total Horticultural Specialties	6.7	8.7	9.4
Ornamental Floral & Nursery	4.6	6.6	7.3
Food Crops Grown Under Cover	2.1	2.1	2.1
General Farm Primarily Crop	0.6	0.3	1.1
Agricultural Production/Livestock	0.5	0.8	1.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.3	0.4	0.1
Chicken Eggs	0.1	0.2	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.1	0.2	0.4
Total Agricultural Services	13.6	12.8	12.5
Soil Preparation Services	0.2	0.2	0.3
Crop Services	4.6	4.1	4.5
Plant Cultivate & Protection	0.0	0.0	0.5
Harvest Primarily by Machine	0.7	0.6	0.7
Preparation Services for Market	3.9	3.5	3.3
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	8.8	8.5	7.7
Farm Labor Contractors	6.3	5.6	6.5
Farm Management Services	2.5	2.9	1.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	8.39	8.31	8.25
Total Agricultural Production/Crops	8.39	8.28	8.35
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.46	na	8.13
Cotton	na	na	na
Other Field Crops	8.46	na	8.13
Vegetables and Melons	8.75	8.70	8.37
Total Fruits and Tree Nuts	8.30	7.85	8.28
Berries	8.38	8.36	7.99
Grapes	8.38	6.20	8.06
Tree Nuts	na	na	8.46
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.00	8.12	8.25
Other Fruits & Nuts	8.44	8.70	8.63
Total Horticultural Specialties	8.33	8.51	8.48
Ornamental Floral & Nursery	8.32	8.69	8.67
Food Crops Grown Under Cover	8.34	8.32	8.28
General Farm Primarily Crop	8.13	8.08	8.49
Agricultural Production/Livestock	8.00	7.94	7.97
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.31
Dairy Farms	8.48	8.61	8.51
Chicken Eggs	7.82	7.66	7.44
Turkey & Turkey Eggs	na	na	7.52
Other Livestock	7.69	7.56	8.05
Total Agricultural Services	8.78	8.72	8.42
Soil Preparation Services	8.94	8.89	8.18
Crop Services	8.75	8.69	8.72
Plant Cultivate & Protection	na	na	8.63
Harvest Primarily by Machine	8.96	8.99	9.19
Preparation Services for Market	8.54	8.38	8.34
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.65	8.58	8.37
Farm Labor Contractors	8.41	8.39	8.04
Farm Management Services	8.89	8.77	8.70

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	27.8	29.3	32.1
Total Agricultural Production/Crops	10.9	14.2	12.8
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	1.5	2.2	1.3
Cotton	0.0	0.0	0.1
Other Field Crops	1.5	2.2	1.2
Vegetables and Melons	2.7	2.9	3.9
Total Fruits and Tree Nuts	3.5	4.2	3.1
Berries	0.0	0.0	0.1
Grapes	0.8	3.2	1.2
Tree Nuts	0.2	0.2	0.1
Citrus Fruits	0.8	0.1	0.6
Deciduous Tree Fruit	0.3	0.5	0.1
Other Fruits & Nuts	1.4	0.2	1.0
Total Horticultural Specialties	0.9	1.6	1.5
Ornamental Floral & Nursery	0.9	1.2	1.4
Food Crops Grown Under Cover	0.0	0.4	0.1
General Farm Primarily Crop	2.3	3.3	3.0
Agricultural Production/Livestock	2.6	2.2	5.4
Beef Cattle Feed Lots	0.4	0.0	0.3
Beef Cattle Except Feed Lots	0.5	0.5	0.5
Dairy Farms	0.8	0.5	2.8
Chicken Eggs	0.4	0.6	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	0.6	0.6
Total Agricultural Services	14.3	12.9	13.9
Soil Preparation Services	0.1	0.3	0.1
Crop Services	3.9	4.1	3.8
Plant Cultivate & Protection	0.3	0.4	0.4
Harvest Primarily by Machine	0.1	0.2	0.6
Preparation Services for Market	3.3	3.2	2.6
Cotton Ginning	0.2	0.3	0.2
Total Farm Labor & Management	10.3	8.5	10.0
Farm Labor Contractors	10.2	8.3	9.2
Farm Management Services	0.1	0.2	0.8

Average Hourly Earnings (In dollars per hour)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	8.25	8.21	8.03
Total Agricultural Production/Crops	8.21	8.19	7.71
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.67	8.60	7.86
Cotton	na	na	7.95
Other Field Crops	8.67	8.60	7.76
Vegetables and Melons	8.25	8.04	7.41
Total Fruits and Tree Nuts	8.07	8.15	7.59
Berries	na	na	7.65
Grapes	7.93	8.26	7.45
Tree Nuts	8.03	7.86	7.15
Citrus Fruits	8.09	8.34	7.95
Deciduous Tree Fruit	7.73	7.79	7.25
Other Fruits & Nuts	8.58	8.49	8.10
Total Horticultural Specialties	8.13	7.79	7.95
Ornamental Floral & Nursery	8.13	7.80	8.11
Food Crops Grown Under Cover	na	7.77	7.79
General Farm Primarily Crop	7.94	8.36	7.74
Agricultural Production/Livestock	8.04	7.99	7.97
Beef Cattle Feed Lots	8.13	na	8.00
Beef Cattle Except Feed Lots	8.25	8.25	7.90
Dairy Farms	8.57	8.61	8.60
Chicken Eggs	7.44	7.37	7.27
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.82	7.73	8.06
Total Agricultural Services	8.50	8.44	8.43
Soil Preparation Services	8.81	8.58	8.33
Crop Services	8.56	8.50	8.66
Plant Cultivate & Protection	8.52	8.37	8.35
Harvest Primarily by Machine	8.81	8.93	9.30
Preparation Services for Market	8.10	8.10	7.93
Cotton Ginning	8.80	8.61	9.04
Total Farm Labor & Management	8.14	8.24	8.29
Farm Labor Contractors	7.91	8.12	8.52
Farm Management Services	8.37	8.36	8.06

na = not available

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	13.1	13.1	13.9
Total Agricultural Production/Crops	10.4	11.0	10.0
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	2.0	2.9	0.1
Total Fruits and Tree Nuts	6.8	7.5	8.2
Berries	0.0	0.0	0.0
Grapes	6.5	6.7	7.3
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.2	0.2	0.7
Other Fruits & Nuts	0.1	0.6	0.1
Total Horticultural Specialties	0.3	0.5	1.5
Ornamental Floral & Nursery	0.3	0.5	1.3
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	1.3	0.1	0.2
Agricultural Production/Livestock	1.2	1.2	1.7
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.0	0.2
Dairy Farms	0.8	0.6	0.9
Chicken Eggs	0.1	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.3	0.6	0.3
Total Agricultural Services	1.5	0.9	2.2
Soil Preparation Services	0.0	0.0	0.0
Crop Services	0.0	0.0	0.1
Plant Cultivate & Protection	0.0	0.0	0.1
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	1.5	0.9	2.1
Farm Labor Contractors	0.0	0.0	0.3
Farm Management Services	1.5	0.9	1.8

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	8.61	8.62	8.30
Total Agricultural Production/Crops	8.57	8.53	8.28
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.67	8.60	8.28
Total Fruits and Tree Nuts	8.56	8.60	8.22
Berries	na	na	na
Grapes	8.58	8.57	8.20
Tree Nuts	na	na	7.98
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.58	8.54	8.16
Other Fruits & Nuts	8.52	8.69	8.54
Total Horticultural Specialties	8.67	8.74	8.49
Ornamental Floral & Nursery	8.67	8.74	8.65
Food Crops Grown Under Cover	na	na	8.33
General Farm Primarily Crop	8.36	8.17	8.13
Agricultural Production/Livestock	8.61	8.52	8.04
Beef Cattle Feed Lots	na	na	7.97
Beef Cattle Except Feed Lots	na	na	8.07
Dairy Farms	8.33	8.21	8.27
Chicken Eggs	8.49	na	7.87
Turkey & Turkey Eggs	na	na	7.52
Other Livestock	9.02	8.82	8.51
Total Agricultural Services	8.66	8.83	8.60
Soil Preparation Services	na	na	na
Crop Services	na	na	8.63
Plant Cultivate & Protection	na	na	8.63
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	na
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.66	8.83	8.57
Farm Labor Contractors	na	na	8.29
Farm Management Services	8.66	8.83	8.84

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	53.3	52.5	58.5
Total Agricultural Production/Crops	38.6	34.7	42.4
Cash Grains	0.1	0.1	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.1	0.1
Field Crops Except Grains	0.8	1.0	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.8	1.0	0.2
Vegetables and Melons	7.9	5.5	5.9
Total Fruits and Tree Nuts	12.5	9.3	15.3
Berries	6.3	6.1	10.1
Grapes	0.5	0.9	2.2
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.5	0.6	1.3
Deciduous Tree Fruit	0.4	0.3	0.1
Other Fruits & Nuts	4.8	1.4	1.5
Total Horticultural Specialties	15.4	17.2	18.0
Ornamental Floral & Nursery	15.0	17.1	17.2
Food Crops Grown Under Cover	0.4	0.1	0.8
General Farm Primarily Crop	1.9	1.6	2.9
Agricultural Production/Livestock	3.1	3.8	1.8
Beef Cattle Feed Lots	0.1	0.1	0.0
Beef Cattle Except Feed Lots	0.4	0.5	0.3
Dairy Farms	0.0	0.5	0.1
Chicken Eggs	1.8	1.1	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.8	1.6	1.0
Total Agricultural Services	11.6	14.0	14.3
Soil Preparation Services	0.0	0.0	0.2
Crop Services	1.5	1.4	2.5
Plant Cultivate & Protection	0.4	0.6	0.4
Harvest Primarily by Machine	0.0	0.0	0.2
Preparation Services for Market	1.1	0.8	1.9
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	10.1	12.6	11.6
Farm Labor Contractors	7.3	8.7	10.1
Farm Management Services	2.8	3.9	1.5

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	8.35	8.36	8.22
Total Agricultural Production/Crops	8.36	8.33	8.14
Cash Grains	8.68	8.57	8.42
Rice	na	na	na
Other Cash Grains	8.68	8.57	8.42
Field Crops Except Grains	8.57	8.51	8.22
Cotton	na	na	na
Other Field Crops	8.57	8.51	8.22
Vegetables and Melons	8.31	8.16	7.88
Total Fruits and Tree Nuts	8.10	8.17	7.77
Berries	7.92	7.83	7.13
Grapes	8.62	8.55	7.73
Tree Nuts	na	na	7.26
Citrus Fruits	8.38	8.85	8.48
Deciduous Tree Fruit	7.14	7.17	7.52
Other Fruits & Nuts	8.43	8.44	8.50
Total Horticultural Specialties	8.35	8.46	8.23
Ornamental Floral & Nursery	8.55	8.59	8.07
Food Crops Grown Under Cover	8.15	8.32	8.38
General Farm Primarily Crop	8.13	8.09	8.32
Agricultural Production/Livestock	8.30	8.34	8.15
Beef Cattle Feed Lots	8.26	8.24	na
Beef Cattle Except Feed Lots	8.65	8.65	8.68
Dairy Farms	na	8.45	8.51
Chicken Eggs	8.04	8.07	7.34
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.25	8.31	8.06
Total Agricultural Services	8.39	8.41	8.39
Soil Preparation Services	na	na	8.33
Crop Services	8.52	8.50	8.67
Plant Cultivate & Protection	8.87	8.81	8.81
Harvest Primarily by Machine	na	na	9.18
Preparation Services for Market	8.17	8.19	8.01
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.27	8.32	8.17
Farm Labor Contractors	8.02	8.13	8.01
Farm Management Services	8.51	8.50	8.32

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	147.7	147.2	136.6
Total Agricultural Production/Crops	56.6	56.8	52.2
Cash Grains	0.5	0.2	0.3
Rice	0.2	0.0	0.1
Other Cash Grains	0.3	0.2	0.2
Field Crops Except Grains	4.3	5.2	5.4
Cotton	3.0	3.5	3.8
Other Field Crops	1.3	1.7	1.6
Vegetables and Melons	7.7	9.6	3.9
Total Fruits and Tree Nuts	29.5	30.4	29.2
Berries	0.0	0.0	0.1
Grapes	20.4	20.8	17.8
Tree Nuts	4.4	3.6	4.5
Citrus Fruits	0.8	1.5	1.7
Deciduous Tree Fruit	0.8	1.6	2.7
Other Fruits & Nuts	3.1	2.9	2.4
Total Horticultural Specialties	6.6	3.0	3.4
Ornamental Floral & Nursery	6.6	3.0	3.3
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	8.0	8.4	10.0
Agricultural Production/Livestock	12.9	14.6	16.5
Beef Cattle Feed Lots	0.6	0.2	0.4
Beef Cattle Except Feed Lots	1.1	0.9	1.6
Dairy Farms	10.0	10.1	11.4
Chicken Eggs	0.6	1.3	0.5
Turkey & Turkey Eggs	0.1	0.3	0.7
Other Livestock	0.5	1.8	1.9
Total Agricultural Services	78.2	75.8	67.9
Soil Preparation Services	0.4	0.8	0.5
Crop Services	22.1	20.0	18.6
Plant Cultivate & Protection	2.9	3.1	2.9
Harvest Primarily by Machine	0.5	0.4	1.5
Preparation Services for Market	18.0	15.4	13.6
Cotton Ginning	0.7	1.1	0.6
Total Farm Labor & Management	55.7	55.0	48.8
Farm Labor Contractors	52.1	52.5	45.1
Farm Management Services	3.6	2.5	3.7

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	8.28	8.26	8.15
Total Agricultural Production/Crops	8.16	8.14	8.01
Cash Grains	8.44	8.01	8.04
Rice	8.65	na	8.52
Other Cash Grains	8.23	8.01	7.55
Field Crops Except Grains	8.25	8.40	8.31
Cotton	8.21	8.36	8.17
Other Field Crops	8.28	8.43	8.45
Vegetables and Melons	8.04	8.09	8.02
Total Fruits and Tree Nuts	8.10	8.07	7.50
Berries	na	na	7.07
Grapes	8.22	8.39	7.56
Tree Nuts	8.09	8.11	8.07
Citrus Fruits	8.00	7.93	7.60
Deciduous Tree Fruit	7.93	7.85	7.13
Other Fruits & Nuts	8.26	8.08	7.54
Total Horticultural Specialties	8.13	8.24	7.85
Ornamental Floral & Nursery	8.13	8.24	8.05
Food Crops Grown Under Cover	na	na	7.64
General Farm Primarily Crop	8.00	8.04	8.37
Agricultural Production/Livestock	8.18	8.25	8.01
Beef Cattle Feed Lots	8.12	8.43	7.94
Beef Cattle Except Feed Lots	8.30	8.26	8.18
Dairy Farms	8.71	8.85	8.51
Chicken Eggs	7.29	7.56	7.29
Turkey & Turkey Eggs	7.84	7.86	7.52
Other Livestock	8.82	8.56	8.62
Total Agricultural Services	8.49	8.39	8.42
Soil Preparation Services	8.62	8.49	8.48
Crop Services	8.73	8.69	8.59
Plant Cultivate & Protection	8.66	8.52	8.89
Harvest Primarily by Machine	8.25	8.46	8.54
Preparation Services for Market	8.16	8.07	7.87
Cotton Ginning	9.84	9.70	9.07
Total Farm Labor & Management	8.13	7.99	8.18
Farm Labor Contractors	7.90	7.69	7.96
Farm Management Services	8.36	8.29	8.40

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	13.8	16.6	18.2
Total Agricultural Production/Crops	9.0	11.5	11.6
Cash Grains	0.5	0.3	1.1
Rice	0.4	0.2	0.9
Other Cash Grains	0.1	0.1	0.2
Field Crops Except Grains	0.4	0.2	0.4
Cotton	0.0	0.0	0.0
Other Field Crops	0.4	0.2	0.4
Vegetables and Melons	1.5	2.0	0.6
Total Fruits and Tree Nuts	4.0	5.2	6.3
Berries	0.0	1.2	0.0
Grapes	0.3	0.0	1.3
Tree Nuts	2.5	2.2	2.3
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.6	0.7	1.9
Other Fruits & Nuts	0.6	1.1	0.8
Total Horticultural Specialties	1.1	1.3	1.4
Ornamental Floral & Nursery	1.1	1.3	1.4
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.5	2.5	1.8
Agricultural Production/Livestock	0.6	1.0	1.5
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.1	0.2	0.5
Dairy Farms	0.1	0.1	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.4	0.7	0.5
Total Agricultural Services	4.2	4.1	5.1
Soil Preparation Services	0.1	0.2	0.1
Crop Services	2.3	1.6	2.0
Plant Cultivate & Protection	0.5	0.5	0.4
Harvest Primarily by Machine	0.3	0.4	0.2
Preparation Services for Market	1.5	0.7	1.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	1.8	2.3	3.0
Farm Labor Contractors	1.8	2.3	2.8
Farm Management Services	0.0	0.0	0.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Feb 2002	Jan 2002	Feb 2001
Total Agriculture	8.38	8.36	8.23
Total Agricultural Production/Crops	8.37	8.24	8.04
Cash Grains	8.47	8.42	8.23
Rice	8.59	8.63	8.37
Other Cash Grains	8.35	8.20	8.09
Field Crops Except Grains	8.36	8.06	8.22
Cotton	na	na	na
Other Field Crops	8.36	8.06	8.22
Vegetables and Melons	8.27	8.28	7.84
Total Fruits and Tree Nuts	8.27	8.21	7.75
Berries	na	8.10	na
Grapes	8.38	na	7.76
Tree Nuts	8.12	8.15	7.76
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.30	8.20	7.71
Other Fruits & Nuts	8.29	8.38	7.78
Total Horticultural Specialties	8.40	8.39	8.28
Ornamental Floral & Nursery	8.40	8.39	8.23
Food Crops Grown Under Cover	na	na	8.33
General Farm Primarily Crop	8.46	8.11	7.91
Agricultural Production/Livestock	8.35	8.32	8.40
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.26	8.14	8.47
Dairy Farms	8.51	8.44	8.67
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.29	8.38	8.07
Total Agricultural Services	8.41	8.53	8.23
Soil Preparation Services	8.66	8.69	8.33
Crop Services	8.41	8.49	8.42
Plant Cultivate & Protection	8.36	8.51	8.48
Harvest Primarily by Machine	8.58	8.74	8.51
Preparation Services for Market	8.30	8.23	8.27
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.17	8.40	7.95
Farm Labor Contractors	8.17	8.40	7.65
Farm Management Services	na	na	8.25

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

Subscriptions:

Annual subscriptions are available for \$30.00 per year. Ask for publication number LAU-15. To subscribe or for information, please call (916) 262-2162 or write to:

Employment Development Department
Labor Market Information Division
Publications Information Unit
7000 Franklin Blvd., Building 1100
Sacramento, CA 95823

The Agricultural Bulletin is also available on our Internet website at <http://www.calmis.ca.gov>.